

HP iPAQ

Product Guide



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1 Welcome

Thank you for purchasing the HP iPAQ 300 Travel Companion. Your Travel Companion is pre loaded with many features that enhance your travel experience that you can learn about in this guide. In addition, there are free Web resources and additional content available to enhance your travels. Here you can find new Web-based trip planning services that allow you to personalize your travel by creating custom itineraries for export to your Travel Companion. Visit <http://www.ipaq.com> to learn about the latest services and content available for the Travel Companion.

Use this guide to know more about how to:

- Get started with using your Travel Companion.
- Manage your contacts and synchronize data.
- Use Bluetooth for making calls using your Travel Companion.

2 Register the Travel Companion

You need to register the Travel Companion with Hewlett-Packard to be able to:

- Access support and services, and get the most out of your HP products.
- Manage your profile.
- Sign up for free support alerts, driver notices, and personalized newsletters.

After registering the Travel Companion, you will receive an e-mail message regarding special offers and promotions. Visit <http://www.register.hp.com> and follow the on-screen instructions to register the Travel Companion or update your mail or e-mail address after registration. You are required to enter your user ID and registration password to edit your profile online.

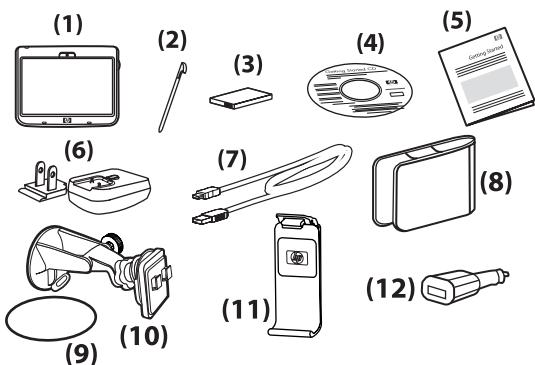
3 Box contents

Box contents

This illustration depicts the items that come in the box with the Travel Companion. Use this illustration to become more familiar with the device.



NOTE: Box contents vary by model.

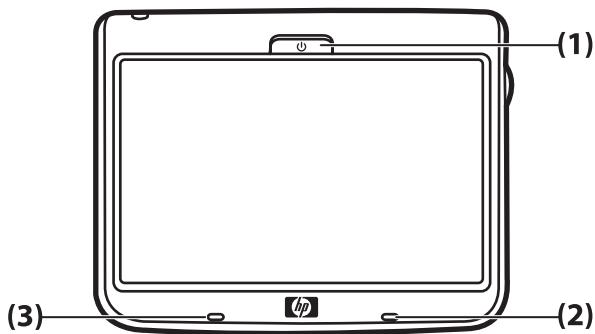


Box Contents

- | | |
|------|--|
| (1) | Travel Companion |
| (2) | Stylus |
| (3) | 1700 mAH li-ion removable/rechargeable battery |
| (4) | <i>Getting Started</i> CD with additional software |
| (5) | Travel Companion Documentation |
| (6) | AC adapter with interchangeable plug |
| (7) | mini-USB cable/power cable |
| (8) | Case |
| (9) | Dash mount disk |
| (10) | Car kit – windshield mounting bracket |
| (11) | Car kit – holder |
| (12) | Car kit – Travel power adapter |
-

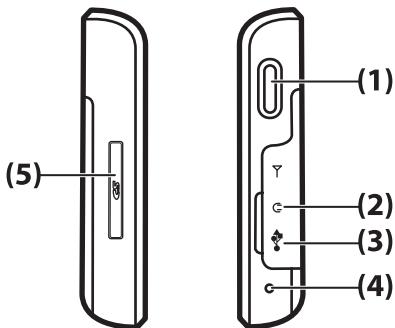
4 Components

Front components



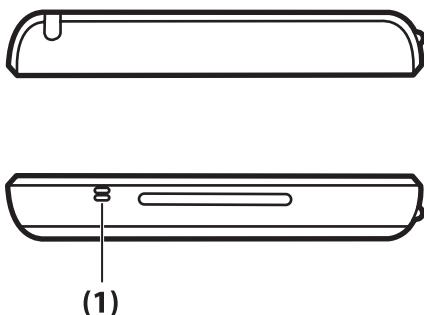
	Component	Function
(1)	Power Key and LED	Press and hold to turn on the Travel Companion. <ul style="list-style-type: none">• Charge LED<ul style="list-style-type: none">◦ Solid Amber – Battery charging◦ Solid Green – Battery fully charged
(2)	Bluetooth LED	Blue – Bluetooth ON
(3)	Microphone	For Bluetooth hands free audio.

Left and right components



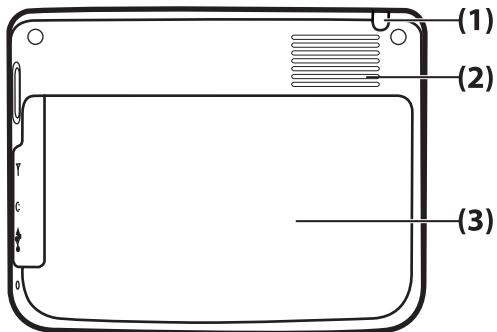
	Component	Function
(1)	Multifunction Wheel	Long press to open the Shortcut menu. Scroll to use.
(2)	3.5 mm Audio Jack	Use with 3.5 mm audio headphones.
(3)	Charging/Communications Port	Use to connect the mini-USB cable.
(4)	Reset	Use to reset the Travel Companion.
(5)	SD Card Slot	Insert a Secure Digital (SD) storage card with the label side up for data storage.

Top and bottom components



	Component	Function
(1)	Microphone	For Bluetooth hands free audio.

Back components



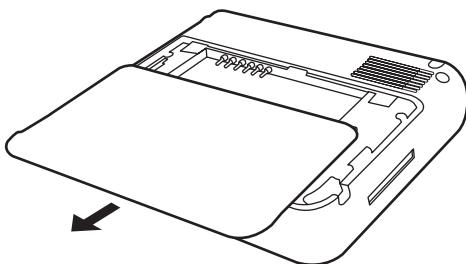
	Component	Function
(1)	Stylus	Remove and use to select elements on the screen and to enter information.
(2)	Back Speaker	Use the speaker to listen to audio.
(3)	Back Cover	Slide the cover away from the Travel Companion to remove the battery.

5 Power on and set up the Travel Companion

Set up the Travel Companion

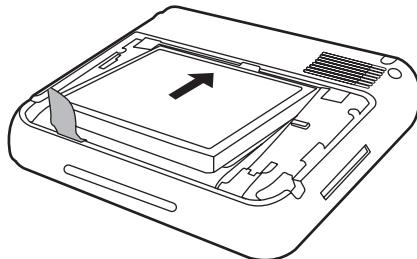
Step 1: Remove the battery cover

Slide the back cover down and away from the Travel Companion.

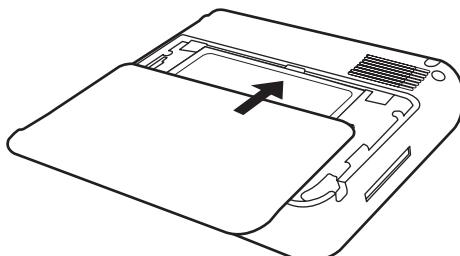


Step 2: Install the battery and replace the battery cover

1. Align the battery connectors on the battery with the housing pins in the battery compartment and insert the battery.



2. Slide the battery cover until it clicks into place.



Step 3: Charge the battery

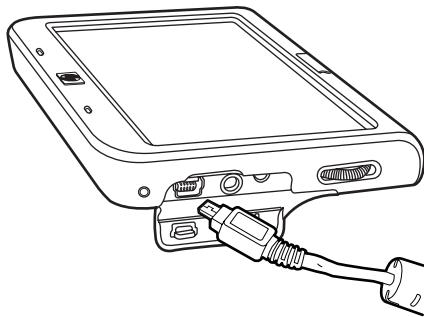
⚠ **CAUTION:** To avoid damaging the Travel Companion or the AC adapter, make sure all connectors are properly aligned before connecting.

The battery provides power for the Travel Companion to operate. Travel Companion comes with a mini-USB cable, which must be used to charge the device.

It takes approximately 2-4 hours to fully charge the battery when the device is off. While the device is in use, it can take up to 8 to 10 hours to fully charge a battery that has been discharged.

To charge the battery:

1. Insert the USB end of the mini-USB cable into the port on the AC adapter.
2. Connect the AC adapter to an electrical outlet.
3. Connect the mini-USB cable to the charging/communications port on the Travel Companion. The cable connector fits only one way. If the connector does not insert easily, turn it over.



💡 **TIP:** You can also charge the battery by connecting the Travel Companion to a USB port on your computer using the mini-USB cable. You can only transfer data when charging through USB.

📝 **NOTE:** Whenever a replacement battery is inserted into the Travel Companion, press the **Power** key for at least two seconds. In case the device does not turn on, attach the AC adapter to turn on the Travel Companion.

Power on Travel Companion

To power on the Travel Companion:

1. Press and hold the **Power** key.
2. Follow the on-screen instructions to set up the Travel Companion.

📝 **NOTE:** The on-screen set up instructions appear only the first time you turn on the Travel Companion.

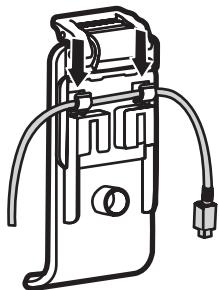
Car kit setup

The car kit allows you to mount the Travel Companion on a location in your car that provides an open view of the sky to get the best available GPS signal.

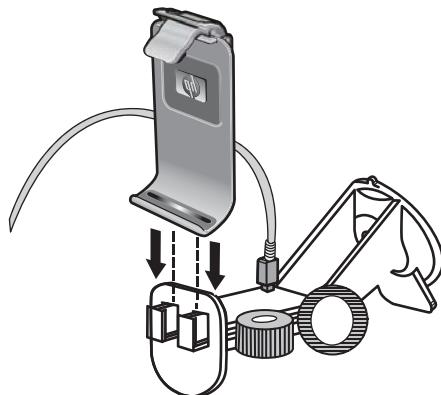
To install the car kit:

1. Plug the power cable into the travel power adapter, and then plug the adapter into a vehicle power outlet.

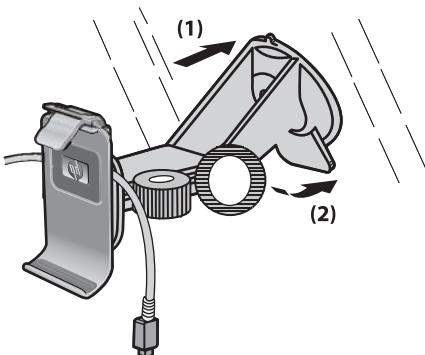
- 2.** Attach the power cable to the clips on the back of the Travel Companion holder. Be sure to leave enough cable to plug into the Travel Companion, and that the connector is turned the correct way to plug into the unit.



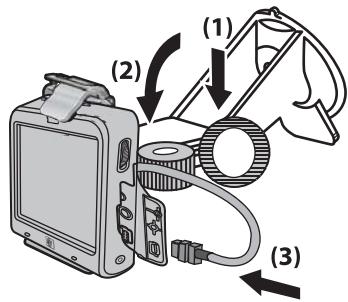
- 3.** Install the holder onto the windshield mounting bracket.



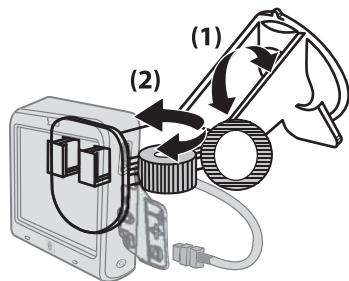
- 4.** Place the car kit assembly onto the windshield (1), and then press the locking lever (2) to securely mount the assembly into place.



- 5.** To install the Travel Companion:



- a. Insert the Travel Companion into the mounted car kit holder.
 - b. Insert the securing clip into the slot on the top of the Travel Companion.
 - c. Plug the power cable into the Travel Companion.
6. Use the knobs to adjust the vertical and horizontal orientation of the Travel Companion.



6 **Warnings and safety information**

The Travel Companion is a navigation system that helps you find your way to your selected destination. It determines your exact location with the help of the built-in GPS device. The position information obtained from the GPS receiver is not transmitted elsewhere. Therefore, others cannot track you with the help of this application.

If you are the driver of the vehicle, we recommend that you operate the Travel Companion before beginning your journey. The driver's attention should always be on the road. Plan your route before departure, and pull over if you need to change route parameters.

It is also important that you look at the display only if it is absolutely safe to do so.

You should always observe traffic signs and road geometry before you obey any instruction from the Travel Companion. If you need to deviate from the recommended direction, the Travel Companion suggests a modified route according to the new situation.

Never place your Travel Companion where it can obstruct the view of the driver, is within the deployment zone of airbags, or where it can cause injuries in case of an accident.

7 Learn the basics

Your Travel Companion is a touch screen controlled device with limited hardware key functions. The device and the software are designed for easy operation. All controls are operable using your fingertips. Wherever possible, push buttons and lists are provided to make accessing functions or changing settings as easy as possible.

Hardware buttons

The majority of the Travel Companion functions can be accessed using the touch screen. Use the hardware buttons to perform the following functions:

Power on/off

Use the **Power** button to turn the power on or off. If the device is switched off, the GPS stops working. Consequently, your position is not calculated, the track log is not saved, and the navigation stops. When you turn the device on, your Travel Companion continues navigating as soon as the built-in GPS determines the location.

Multifunction wheel

The Multifunction wheel performs multiple functions.

Zoom in and out

When the map is visible on the screen, turn the wheel up to zoom in, and turn it down to zoom out.

Adjust volume and brightness

To adjust the volume and brightness:

1. Press the button swiftly to open the **Master volume** slider below the speaker icon. You may also tap  to open the **Master volume** slider.
2. Now, turn the wheel up or down to adjust the volume. The  and the position of the fader displays the newly selected value.
3. If you wait for a few seconds, the slider disappears. Before this happens, you can press the button  swiftly again, and the slider switches to the **Display brightness** setting. The  icon replaces the speaker icon above the slider.
4. The wheel now adjusts the backlight value of the current display mode. If you use the Travel Companion in daylight mode, the brightness for daylight is modified, if you use the night mode, the backlight for night use is adjusted.
5. Now, press the button again, or wait for a few seconds, and the slider disappears.

Open the Quick Launch menu

To open the **Quick Launch** menu:

1. Press and hold the Multifunction wheel to open the **Quick Launch** menu, a list of frequently used applications is displayed.
2. Turn the wheel up or down to scroll through the list, and press it to jump to the highlighted subsystem. If you use the touch screen, you can directly select any of the list items, or tap the arrow below the list to turn the page.
3. Press and hold the button again or wait for a few seconds till the list disappears.

Screen buttons

Use the touch screen of your Travel Companion to know more about the different functions, to display information, and to launch different actions.

Some buttons on the screen are common to all or most screens, whereas some buttons appear when you tap the map to place the cursor.

Buttons on the top and the bottom of the screen

The blue bars on the top and the bottom of all screens contain buttons that initiate functions or lead to different parts of the application. The symbols on the buttons may provide information on the current state of the Travel Companion.

The buttons are as follows:

Button	Function
	Opens Backlight settings and Power management . Displays the current status of the battery. The thunderbolt image on the battery indicates the battery is being charged.
	
	
	Exits navigation, and opens the Bluetooth settings screen. Displays the current status of the Bluetooth radio. When the icon is bright, it indicates the Bluetooth connection is enabled. When the icon is dark, it indicates that the radio is switched off.
	
	
	Opens the Master sound level slider below the icon to set the new master level. Tap the screen at the desired volume level, or use the wheel to adjust it.

	Displays the current master volume level. The more number of arcs, the louder is the sound. The crossed out speaker icon indicates that the sound output is mute.
	Opens the Brightness setting slider below the icon to set the new backlight level. Tap the screen at the desired backlight level, or use the wheel to adjust it. This icon is displayed only when you tap the speaker icon, or press the multifunction wheel twice.
	Opens the Route progress list.
	When displayed on the Main menu screen, tap this icon to exit navigation, and return to the Multimedia application. When displayed on list screens, tap this icon to delete the item it is displayed next to.
	Opens a new screen where you can edit the item it is displayed next to.
	Opens the GPS Data screen.
	Displays the current GPS reception quality status. The more vertical lines, the better is the reception. A cross means there is no GPS reception.
	Locks the touch screen against accidental tapping. The hardware buttons can be operated even if the screen is locked.
	Reactivates the touch screen.
	Returns to the Main menu screen.
	Opens the Map screen.
	Displayed on the top left corner, this button opens the Phone Dialer application. On Points of interest (POI) detail screens, tapping the button calls the number saved with the POI.
	Exits navigation, and opens the Music player application.
	Returns to the previous screen.
	On screens with editable screen content, this icon saves the changes and exits the screen. On such screens, the icon returns to the previous screen without saving.
	On screens with non-editable point information, this icon leads to the Map screen with the selected point in the middle.

	Deletes all list items. You are prompted for confirmation before items are deleted.
	Opens the Cursor menu.
	Displayed on the top centre of the screen, this icon opens Time settings .
	Displays the current date and time.
	Displayed on the bottom left corner, tap this icon to change its content.
	Displays the current date, current time, or both.
	Displays the current speed at which you are traveling, or the distance of the next Via point and the destination.
	Toggles between the values.
	Displays the time remaining to reach the final destination, or to reach the next Via point.
	Toggles between the values.
	Opens Settings at the page related to the current screen's content.

Some screen specific buttons:

Button	Function
	On keyboard screens, this icon toggles between the alphabetic and numeric keyboards.
	On keyboard screens, this icon inserts a space character in the text (Space).
	On keyboard screens, this icon clears the last entered character (Backspace).
	On keyboard screens, tap this icon to finish entering a text or number (Enter).
	Fit to screen - this icon opens the map sized to fit the object to be displayed. The object can be a track log, the recommended route, or a road segment that a TMC message refers to.
	On the Route Edit screen, this icon adds a new route point to the recommended route.
	On the Route Edit screen, this icon deletes the selected route point.

	On the Route Edit screen, this icon reorders the route points to optimize the route length.
	On the Route Information screen, this icon starts a simulation of the recommended route.
	On the Route Detail (Itinerary) screen, this icon saves the route for later use.
	On the Track Log list screen, this icon starts recording a track log.
	On the Track Log list screen, this icon replaces the previous one if a track log is being recorded. Tap this icon to stop recording.
	On the Track Log information screen, this icon opens a new screen where you can edit the name of the track log.
	On the Track Log information screen, this icon exports the displayed track log to a file.
	This icon is displayed when you tap Add POI in the Cursor menu. First, select the POI group in which you wish to save the POI, and then tap this icon to start entering the details.
	When saving a user POI, this icon lets you create a new group for the new POI. Tap it, and enter the name of the new POI group.
	On the screen of current TMC messages, this icon opens the TMC radio settings.

Buttons on the map

When you tap the map, you place the **Cursor** and semi-transparent buttons appear on the map to help you modify the view. Tap the map again to have the buttons disappear.

The following buttons are displayed:

Button	Function
	These icons change the scale of the map. Tap the magnifier with the + sign to zoom in. You can see a smaller part of the map in more detail. Tap the other icon to zoom out, and see a larger part of the map in less detail.
	
	On the 2D map screen (screen designed for map browsing) you can access fixed zoom levels using these icons.
	
	



On the **3D map** screen (screen designed for navigation) you can access fixed tilt (and zoom) levels using these icons. These icons appear only when GPS position is available.



These icons rotate the map left and right.



Only one of these icons is displayed. Tap 3D to switch from the 2D map (designed for map browsing) to the 3D map (Cockpit, designed for navigation). Tap 2D to return.



This icon moves the map back to the current GPS position (to the position arrow), and re-enables Smart Zoom that automatically scales and tilts the map based on the distance of the next route event. When GPS position is not available, the map jumps to the position of the **Cursor**.



This icon is displayed on the screen when a track log is being recorded. Tap it to jump to the list of track logs.



This icon is displayed on the screen during route simulation and track log playback. Tap the screen anywhere to stop simulation.



These icons help you to view the map in the full screen view and to return to the normal screen view.



Selectors

In the following sections, you can find some of the controls frequently used in the Travel Companion.

Direct selectors

Some of the settings can be chosen from a list of possible values. If the values can be described graphically, icons are displayed on the screen.

Tap one of the icons to set/change the value.

Sometimes direct selectors appear as radio buttons. Tap either the button or the label to change the value.

List selectors

When the available values in the list need to be named, only the current value is displayed (sometimes with a short description) in a horizontal stripe with arrows at both ends.

The arrows are buttons. Tap to move left in the list or tap to move right. You need not confirm your selection. The selected value becomes effective immediately.

Sliders

When a feature has several different unnamed (numeric) values, the Travel Companion shows sliders to set the desired value. They look like analogue potentiometers.

If the value limits are not displayed at the ends of the slider, the leftmost or bottom position means the minimum value, while the rightmost or top position represents the maximum value.

With some sliders, you can check the current value at one end.

This control can be operated in two ways. Either drag the handle to move the slider to its new position, or tap the slider where you require the handle to appear (the thumb jumps there immediately). There is no need to confirm your selection. The selected value becomes effective immediately.

Switches

When a function can only have two values (mainly Enabled and Disabled), a switch is used. The horizontal line contains the name of the function and not the actual status. There is a check box on the left to show whether the function is active or not.

When the check mark is cleared or missing, it indicates that the function is not selected. When the check mark is selected or displayed, the function is selected or enabled. The entire strip performs as a button. Tap the strip to toggle between the enabled and disabled status.

Virtual keyboards

Your Travel Companion is designed to ensure that you only need to enter letters or numbers when it is inevitable. In these cases, a full screen keyboard pops up. It can be easily operated with your fingertips.

You can choose between a QWERTY keyboard that contains only letters, and a numeric keypad. There is a button reserved to switch between the two keyboard types.

The alphabetic keyboard in the Travel Companion does not contain special characters, because you do not need to enter accents when searching for a destination. Type only the base letters (the letter most similar to the accented one) and the Travel Companion searches for all the combinations in the database (for example, for the French street ‘Cité Bergère’ you only need to type ‘Cite Bergere’, and the application picks up the correct street name).

When you type in POI names or track log names, the Travel Companion automatically turns all initials into capitals to create names.

The QWERTY keyboard

The QWERTY keyboard has the same layout as the Standard English QWERTY keyboard. The only difference is that it contains no numbers and symbol keys. Only the alphabet and some special keys.

The special keys are as follows:

Button	Function
--------	----------



Toggles between the alphabetic and numeric keyboards.



Inserts a space character in the entered text.



Clears the last entered character.



Tap this icon to finish entering characters.

The numeric keyboard

The numeric keyboard only contains numbers, on buttons. The special keys you find on the other keyboards (except Space) are available on this keyboard as well.

8 Discovering the Travel Companion through the Startup menu

The best way to discover your Travel Companion is to explore each screen in detail, and find out how to navigate from one screen to another. When you turn on the Travel Companion, the **Startup** menu is displayed.

You can choose from the following applications:

- Entertainment
- Contacts
- Navigation
- Extras
- Settings

Entertainment



Tap  to access the following applications:

- Videos
- Music
- Games
- Pictures

Videos

To play your videos and organize your playlist:

1.  Tap  to access the video function.
2.  Tap  to view and organize your playlist.
3.  Tap  to add videos to the playlist.

 **NOTE:** You will need to add your video files to **Media directories** to play videos on your Travel Companion. For more information, see [Media directories on page 29](#).

4.  Tap  to delete videos from your playlist.
-  **NOTE:** Similar options are available with the music application.

5. Confirm any changes by tapping .
6. You can organize your playlist by tapping   to return to the main **Video** screen after you finish organizing your playlist.

You can play, stop, or jump to next and previous item by tapping the appropriate buttons. The volume level can be modified with the hardware jogwheel button. The scroll bar shows how much of the video file has been played and its total length.

Music

To work with music files:

1. Tap  to enter the Music application.
2. Tap  to navigate to the songs on your device grouped as follows:
 - Artist
 - Artist/album
 - Album
 - Genre/artist
 - Genre/artist/album
 - Genre/album
3. The files can also be sorted by title, track, file name, and file size.
4. Tap the corresponding  to select individual songs, or tap  to select all of them.
5. Tap  to add them to your playlist.

 **NOTE:** You will need to add your music files to **Media directories** to play music on your Travel Companion. For more information, see [Media directories on page 29](#).

Following are some additional features for your music playlist

- To quickly insert a song to the beginning of your playlist and listen to it right away, tap .
- You can open folders or categories by tapping their name, and you can move up by one level by tapping .
- Tap  to view and organize your playlist.
- Tap  to select all files.

- Tap  if you would like to remove songs from the playlist.
- Tap  to return to the main **Music** screen after you finish organizing your playlist.
- You can play, stop, or jump to next and previous item by tapping the appropriate buttons.
- The volume level can be modified with the hardware scroll button.
- The scroll bar shows how much of the song has been played.
- To repeat a single song or the entire playlist, tap .
- To play the songs in a random order, tap . To follow the order of the playlist, disable this icon.
- You can change your Music player settings by entering the  menu. If you tap the **Remember playlist** option, the music player remembers your playlist until you delete it
- You can listen to background music whenever you use your Travel Companion. Tap **Always** to enable this feature. Tap **Ask** to enable this feature for some time. Tap **Never** to turn this feature off.

Games



Tap  to see the list of games. Tap the icon representing the game you wish to launch:

Games	Description
(1) 	Contains four classic games, including Snake, Fireball, Jewel Master, and Cannons
(2) 	Contains a 3D racing game

Each game contains a description of the rules and game controls.

Pictures

To view pictures using picture viewer:

1. Tap  to get a thumbnail view of the pictures on your Travel Companion.
2. Tap the thumbnail of the picture you want enlarge.

3.

Enlarge the picture to full screen view by tapping . Tap it again to get a thumbnail view.

- Tap the center of the picture to switch back to normal view.
- Tap the left side of the screen to display the previous picture and the right side to display the next one.

4. Tap **Details** to view the properties of the picture. If you need to see the data for several pictures in a folder, tap the left and right arrows to move freely among the data sheets of all the pictures.

You can arrange your pictures into virtual albums. Use the following steps to organize your picture albums:

1. Tap .

2. Tap the pictures you wish to add to an album.

3. Tap  and select the album where you wish to store the pictures.

4. You can add and remove albums with  and .

 **NOTE:** You will need to add your picture files to **Media directories** to view pictures on your Travel Companion. For more information, see [Media directories on page 29](#).

When you first enter the picture viewer, you can see the contents of the “Unfiled Pictures” album. To see another album, just tap the button on top of the screen and select the album from the list.

Tap  to configure the picture viewer.

- **Slide Show Effect:** The following slide show transition effects are available for selection:
 - Fade
 - Slide
 - Special Effect 1–10
 - No effect
- **Slide Show Interval Time:** The pictures follow each other at specified intervals. Tap the **Slide Show** option to start the slide show. Tap the screen anywhere to stop it.

Contacts



The  icon displays the **Contact** list. You can add your contacts to this list and include their phone number, address, work place, and e-mail address. You can edit the contact details any time and search for your acquaintances. If your Travel Companion is connected to a Bluetooth-enabled phone, you can even dial your contacts directly from the contact list. You can also synchronize your Outlook contacts with your Travel Companion. For more information, see [Outlook synchronization on page 69](#).

Add contact

To add a contact:

1.  Tap  to add a new contact to your list.
2. A data sheet is displayed. Tap the field and use the virtual keyboard to fill in the following information:
 - name
 - mobile phone
 - e-mail (1–3)
 - home address
 - work phone (1–2)
 - work address (1–3)
 - home phone (1–2)
 - fax
 - birthday
 - pager
 - Web
 - other address
 - office location
 - job
 - spouse
 - anniversary
 - children
 - home fax
 - car phone
 - assistant name
 - assistant phone
 - categories
 - radio phone
 - company



When you are ready, tap , which brings you back to the data sheet. You can choose another field and follow the same process to fill in the required details. To save your changes and return to the contact

list, tap .

Edit contact

To edit a contact:

1.

Tap a contact name, and then  to modify the details.

2.

To add or change the picture associated with the contact, tap the picture icon. This takes you to the pictures stored on your Travel Companion. Tap on a picture to select it, and then drag the picture around to choose which part of the picture becomes the contact icon. You can even change the size of the icon rectangle by tapping .

3.

To delete a contact, tap .

Navigate to a contact

The **Navigation** application can be launched directly from the **Contacts** menu. This enables you to navigate to one of your contacts without entering the navigation application and typing the address of the destination.

The addresses that can be navigated to are indicated by a  sign. If an address has a  sign next to it, it means that the application could not find the address on the map. Tap the contact you wish to navigate to and tap .



NOTE: If the contact does not have an address, an error message is displayed.

Call contact

Select the name of the contact you need to call, and then tap .



NOTE: In order to use this function, you need to connect your Travel Companion to a Bluetooth-enabled phone first.

Extras

Extra features of the software include clock, phone, and calculator.

Clock



Tap  to display the clock, set the time, or set up alarms.

To configure the clock:

1.  Tap  to configure the clock. You can choose between analog and digital modes, and set up a world clock that shows three time zones at the same time.
2. To set up the world clock, tap the **Main clock title and timezone** tab and choose your local time zone from the list selector.
3.  To confirm your selection, tap .

You can set the other two time zones in a similar way. To set the time, tap .

Tap  to see a full screen view of the clock. Tap on the screen to display the menu buttons again.

To set an alarm:

1.  Tap  to enter the **Alarm** menu.
 2.  Tap  to set an alarm.
 3. In the **Description** menu, enter the text to be displayed when the alarm rings.
 4. Set the time of the alarm by tapping **Time**.
-  **NOTE:** You can snooze the alarm. To set the length of delay, select the required minutes from the list.
5.  Tap  to confirm your selection.

The following types of alarms are available:

- **Once:** The alarm is not recurrent.
- **Regular:** The alarm is recurrent. Here, you can choose the days of the week you require an alarm.
- **Countdown:** The alarm alerts after the specified delay.
- **Call back:** A link to the **Contact** list is displayed at the bottom of the screen. You can choose the contact you need to be reminded to call back.



NOTE: Tap  to save your selections. If you do not need the alarm, tap .



TIP: When setting the alarm time, you can change the time by dragging the minute hand of the analog clock.

To modify an alarm:

1. Tap an alarm entry in the list to display the detailed settings of the alarm.
2.  To edit or delete a preset alarm, tap .



NOTE: To delete all your alarms, tap  from the **Alarm** list screen.

Phone

To make a phone call using the phone feature:

1. Tap  to enter the telephone function from the **Extras** menu.
2. Enter a phone number directly, or select a phone number from your contact list by tapping .
3. After entering the phone number, tap  to initiate the call.
4. Tap  to end the call.

The following features are also available:

- Tap  to display a list of previous calls. Each entry contains the phone number, and the date and time of the call.
- Tap  to add a number on the list to your contacts.
- Tap  to delete individual entries.
- Tap  to completely clear your call history.

Calculator



Tapping  opens the calculator function.

Tap **Mode** to switch between the two calculator types:

- basic
- exponential

 **NOTE:** The currently used mode is displayed above the **Enter** button.

Settings



The **Settings**  button takes you to the settings of the device. The following options are available:

- Set the visual appearance
- Choose the language

- Set the time and date
- Read about the software and maps



The **Settings** button takes you to the settings of the device. You can, for example, set the visual appearance, choose the language to apply, set the time and date, and read about the software and maps. The available settings are discussed in detail below.

System



Tap the **System** menu point to calibrate the screen alignment, set up the power saving, and display information about the software and the maps.

Align screen

To align screen:



Enter the **System** menu point to calibrate the orientation of your screen. This is necessary if your touch screen is not aligned and you have difficulty in activating the on-screen buttons.

NOTE: When this option is selected, a target cross with instructions is displayed on the screen.

1. Tap the stylus on the center of the cross, and repeat this each time the cross moves around the screen.
2. When the cross disappears, tap the screen within 30 seconds to save the new calibration, or wait for 30 seconds to retain the original calibration.

Time

To set the time:



You can set hours and minutes by tapping and .



Tap to choose between 12-hour or 24-hour display in digital mode. If the 12-hour display is selected, A.M. or P.M. is displayed next to the time.



Tap to set the time zone.

Date



Tap to set the date. Tap and to choose the year and the month, and tap the day in the calendar to select it.

Language



Tap to set the language of the screen messages. Select the language from the list using appropriate letter group buttons to find the language that you want to use.

Media directories



In the menu item, you can configure all your media directories. This saves time because the device searches for media files only in the directories listed here, rather than scanning all folders.

To use media directories:

1. Tap to add, to remove a folder, and use to remove all directories.
2. When you delete a folder, the application displays **Directory won't be scanned after this. Are you sure?** to confirm whether you really require to remove the selected directory.

Choose **Yes** to confirm deletion. In this case, the particular directory is not removed from your Travel Companion, but is removed only from the list of media directories. If required, you can call back what you deleted at a later time.

9 Operating navigation

You can access various navigation features using the navigation feature of your Travel Companion.

△ **CAUTION:** Drive with due care and attention when using the Travel Companion for navigation.

Navigate to an address

To navigate to an address:

1. If you are not on the **Main** menu screen, tap  to return to the main menu.
2. Tap **Go to**.
3. Tap **Address**.
4. The first two lines show the country and the city/town of the last search.
5. If the address is in a different country, tap the icon with the name of the country, and select the desired country from a list.
6. If the appropriate country is displayed, and you need to change the city/town to search for, either
 - a. tap **History** to select a recently used city/town; or
 - b. tap the icon with the name of the settlement, and enter the desired city or town.
7. With country and city/town selected, you have two options:
 - a. tap **City Center** to navigate to the centre of the city/town; or
 - b. tap **Enter Street Name** and enter the street you are looking for.
8. With country, city/town and street selected, there are three options to finish the address search:
 - a. tap **Street Center** to navigate to the midpoint of the street;
 - b. tap **Intersection** and enter the name of the crossing street; or
 - c. tap **House Number** and enter the house number to navigate to.
9. If any of the above three is chosen, the map is displayed with the selected point in the middle, and the **Cursor** menu displays your available options.
10. Tap **Set as Destination**.
11. The route is automatically planned, and navigation starts.
12. Start driving, and listen to the voice instructions of the Travel Companion.

Navigate to a POI

To navigate to a POI:

1. If you are not on the **Main** menu screen, tap  to return to the main menu.
2. Tap **Go to**.
3. Tap **Point of Interest**.
4. After you reach the next screen, do the following:
 - a. tap **Quick Search** if you have saved a search criteria that can be used now,
 - b. tap **Along Route** to search for a **POI** near your current route, or
 - c. tap any of the other icons to define a point around which you wish to search for the **POI**.
5. The list of **POI** groups appears. Here:
 - a. tap any of the group names to open the list of their subgroups,
 - b. tap **Save** to save this search criteria for later use in **Quick Search**, or
 - c. tap  to see all **POI** near the selected reference point or the route.
6. Either you go deeper in POI subgroups or tap the list of available **POIs** that appear. Here:
 - a. tap  to see the POIs in alphabetical order,
 - b. tap  to see the POIs ordered by their distance from the reference,
 - c. and finally, tap the desired POI to see its details.
7. On the screen that shows the details of the selected **POI**, tap .
8. The map is displayed with the selected point in the middle, and the **Cursor** menu shows your options.
9. Tap **Set as Destination**.
10. The route is automatically planned, and navigation starts.
11. Start driving, and listen to the voice instructions of the Travel Companion.

Create a route with multiple destinations

Multi-point routes are created from a single destination route. Create a single route with one of the destinations first as described in the previous sections then follow the procedure below:

To create route for multiple destinations:

1. If you are not on the **Main** menu screen, tap  to return to the main menu.
2. Tap **Go to**, and select a new point just like you did before.

3. When the map is displayed with the **Cursor** menu, you can extend your previous route:
 - Tap **Add Via** insert this new point before the final destination; or
 - Tap **Continue** to append it as a new final destination after the original destination.
4. The route is automatically recalculated, and navigation continues.
5. Repeat the above steps to add more route points if necessary, then start driving.

Create a route with a different start point

If you wish to create a future route or to change the starting point to a different location, there are two different ways to do this.

To create a route with a different start point keeping the same destination:

1. If you are not on the **Main** menu screen, tap  to return to the main menu.
2. Tap **Go to**, and select the start point just like you did before with destinations.
3. When the map is displayed with the **Cursor** menu, tap **Set as Start**.
4. The Travel Companion asks you to confirm that the route does not start from the current **GPS** position.
5. If you confirm, the new starting point is set, and automatic route recalculation is disabled (otherwise the Travel Companion would recalculate the route from the current GPS position as soon as a new position data is received).
6. The new route has the same destination and Via points as the previous one.

Alternatively, you can also create a route with a different starting point and a new destination:

1. If you are not on the **Main** menu screen, tap  to return to the main menu.
2. Tap **Go to**, and select **start point**.
3. When the map appears with the **Cursor** menu, tap **Set as Start**.
4. The Travel Companion asks you to confirm that navigation does not start from the current **GPS** position.
5. If you confirm, the new starting point is set, and automatic route recalculation is disabled (otherwise the Travel Companion would recalculate the route from the current **GPS** position as soon as a new position data is received).
6. Tap  to return to the **Main** menu screen.
7. Tap **Go to**, and select the destination.
8. When the map is displayed with the **Cursor** menu, tap **Set as Destination**.
9. A new route is calculated with the desired end point.

Save user data

To save user data, first select a map point, and then do the following:

1.

Either tap a location on the map to place the cursor, then open the **Cursor** menu with the  icon.

2. In the **Main** menu, tap **Go to**, and select a point. The map with the **Cursor** menu is displayed.

From the **Cursor** menu:

- tap **Save as Favorite**, if you wish to place this point on the list of your favorite destinations;
- tap **Add POI**, if you wish to save a useful map point with icon, telephone number, and additional information; or
- tap **Add Speedcam**, to save the point as a location of a road safety camera.

10 Reference book – Navigation menu

The **Main** menu is displayed when navigation is started. This is the root of the screen hierarchy. Most parts of the Travel Companion are directly accessible from here by using the icons described below:



NOTE: To return to the **Main** menu from any screen, tap .

Button	Function
	Opens the Go to menu, the subsystem that helps you find your destination.
	Opens the map screen (2D or 3D).
	Opens the Route menu, with options to fetch route information and modify the route if required.
	Opens Settings to configure and modify the behavior of the Travel Companion.
	Opens Navigation Extras , the screen for additional navigation features.

Go to

The **Go to** menu is accessible from the **Main** menu. This screen offers various options for selecting a location.

When a selected location is found, the results are displayed on the map marked with the cursor (a red dot with radiating red circles). The **Cursor** menu appears with possible actions.



There are multiple menu options in the **Go to** menu. Use the and icons to navigate between the screens and see all available options. These options are described in detail in the following sections.

Buttons	Function
	Opens the address search screen.
	Opens the list of Favorites.
	Displays Home on the map. Home is the first in the list of Favorite destinations.

Buttons	Function
	Displays Work on the map. Work is the second in the list of Favorite destinations.
	Opens the POI search screen.
	Opens the list of recent destinations.
	Opens the list of Contacts saved with valid address(es).
	Opens the map to let you pick one point.
	Opens the co-ordinates search screen.
	Opens the list of saved routes.
	Opens the next screen to display more options.
	Returns to the first screen.

Find an address, street, intersection, or city

Searching for a city, a street, an intersection, or an exact address can all be done in the **Find Address** module. If you know at least a part of the address, this is the quickest way to find the location.

The button names are as follows:

Button names	Function
Country Name	Tap to select a different country.
History	Tap to select a city/town from the list of recently used cities and towns.
City Name	Tap to select a region/state in the displayed country.
City Center	Tap this button to navigate to the centre of the selected region/state if you have no street information.
Street Name	Tap to select a street in the displayed region/state.
Intersection	Tap to define a cross street to select the crossing as the destination.
Street Center	Tap this button to navigate to the midpoint of the selected street if you do not have the house number information.
<House Number>	Tap to enter the house number to search for.

Find in History

If you have already used **Go to**, or picked and used map points before, all of these appear in the **History** list.

You can pick any of your recent locations to be your destination. On this screen, the list cannot be reordered or filtered by name, but the scroll bar on the right lets you browse through the complete list to find your preferred point.

Use  to clear one item from the list, or  to empty the list.

Find one of the Favorites

The list of your favorite destinations appears on this screen. Tap any option available in the list to select the point. Use the scroll bar to browse through the whole list, or select one of the following options:

Buttons	Function
	Reorders the list by the distance of the Favorites.
	Reorders the list alphabetically.
	Deletes the favorite it appears next to.

Find home or work



The first item in the list of favorite destinations is  and the second one is 

Find a POI

You can select your destination from the thousands of POIs included with the Travel Companion or from the ones you have previously created. This screen helps you find the destination you are looking for. POI items are categorized to let you locate them more easily.

Search reference

The search is carried out around a certain reference. First, you need to set this reference, or choose **Quick Search** to filter the POIs based on a previously saved criteria.

Buttons	Function
	The search is carried out around the current GPS position.
	Opens the list of previously saved search criteria (reference point, POI category, and POI subcategory).

Buttons	Function
	The search is carried out around a certain point on the map. The map opens to let you select the reference point by tapping the reference point.
	The search is carried out around the final destination of your current route.
	The reference is not a point but the whole route. The distance of the POI is calculated based on the extra distance you need to travel to reach the point then return to the route.

Using **Quick Search** you need to choose one from the previously saved search criteria, and you instantly get a list of POIs matching that criteria and reference.

POI groups

The other icons lead to a list of POI groups. On this screen, you can see the first page of the top-level POI categories.

The options are as follows:

Buttons	Functions
	The list of results is ordered by their distance from the reference.
	The list of results is ordered alphabetically.
Save	Save the current search criteria to be accessed later from Quick Search.
	Show the list of all POI items matching the current criteria.
	Narrow the list of matching items by giving a part of its name.

POI subgroups

If you tap any of the POI groups, the list of its subgroups open, where you have the same options as POI groups.

Select a POI

Once you get a list of matching POIs, tap one item in the list to see its details. The options are as follows:

Buttons	Functions
	Returns to the list of search results.

Buttons	Functions
	Initiates a phone call to the displayed number.
	Opens the map with the selected POI in the centre.
	Opens the Cursor menu, and the map with the selected POI in the centre.

Find co-ordinates

In the Travel Companion, select your destination by entering map co-ordinates. The co-ordinates need to be entered in Latitude/Longitude format, based on the WGS84 earth model (the model used by most GPS devices).

On accessing this screen, the co-ordinates of the current GPS position (or the selected map point, referred to as the Cursor, if the map has been moved) are displayed.

The co-ordinates are always displayed in the format previously configured here, but you can enter the co-ordinates in any of the three Latitude/Longitude formats (decimal degrees; degrees and decimal minutes; or degrees, minutes and decimal seconds). You can even enter the latitude and longitude in different formats.

To easily enter a Latitude/Longitude pair:

1. The left field contains the latitude.
2. Check the first character: an 'N' (North) or 'S' (South) letter. This specifies whether the point is in the Northern or the Southern hemisphere.
3. Use **N/S** to change the hemisphere if necessary.
4. Use to clear the figures not matching the desired latitude.
5. Enter numbers for the latitude.
 - Use the decimal point if the degrees, minutes, or seconds are not integers.
 - Use , , or (the label depends on the current cursor position inside the latitude) to start entering minutes after degrees or seconds after minutes.
6. When finished, tap the longitude on the right, and enter it as you did with the latitude. This time the **E/W** hemisphere-changing icon specifies whether the point is located East or West from the meridian crossing Greenwich, UK.
7. Tap to select the latitude and longitude entered.

To change the format the coordinate is displayed here and on other screens of the Travel Companion, tap **Change Format**. This leads to a new screen to change the format.

Coordinate display format

Positions are sometimes displayed with their addresses, and sometimes with their co-ordinates. This setting lets you choose whether to display co-ordinates in degrees (dd.dddddd); degrees and minutes (dd mm.mmm); or degrees, minutes and seconds (dd mm ss.s).

11 Bluetooth

The Bluetooth application lets you connect your mobile phone, stereo headphone, or car stereo to your Travel Companion. When the connection to a mobile phone is established and you receive a call, it is automatically transferred to your Travel Companion and the speaker turns on. This enables safer driving and you need not use a headset or press any buttons to activate the speaker.

To launch the Bluetooth application, choose one of the following options:

-  Tap  on the top of the screen.
 **NOTE:** The  icon is always available on every screen
- Go to the **Settings** menu and tap **Bluetooth**.
- Tap **Extras/Phone/Key Pad** menu point to dial the phone number.

Connect a Bluetooth-enabled phone to your Travel Companion

You can connect Bluetooth-capable mobile phones to your Travel Companion. Check the documentation of your phone for compatibility information.

To connect to a Bluetooth-enabled phone:

1. Make sure that Bluetooth is enabled on the phone.
2.  Tap **Settings** > .
3. Tap **Explore Bluetooth devices**.
4. Nearby Bluetooth devices are listed. Tap your phone's name when displayed in the list.
5. Select the Bluetooth service to use:
 - To use your device as a loudspeaker, choose **Voice Gateway**.
 - For transferring files between your phone and the Travel Companion, choose **OBEX File Transfer**.

 **NOTE:** Other services may be listed as well depending on the phone.

6. Both your phone and your Travel Companion will prompt for a 4-digit numeric password. Enter the same password on both devices.

The icons available on the screen are as listed below:

Buttons	Function
	Tap to launch the Bluetooth application

Buttons	Function
	Tap to set your Bluetooth preferences
	Tap to enable automatic transfer of incoming calls
	Tap to view more information on Bluetooth
	Tap to dial a phone number
	Tap to view a list of previous connect attempts NOTE: My Shortcuts menu contains devices you have previously paired with your Travel Companion for easy access.
	Tap to initiate pairing from your mobile phone
	Tap to initiate a call
	Tap to end a call

Make a call

You can make calls using the phone feature, contacts, or POI.

Use phone dialer

To make calls using the phone dialer:

1. Tap **Settings** > .
2. Tap to enter a phone number.
3. Tap to initiate a call.

Use contacts

To make calls using contacts:

1. Tap **Extras** > .
2. Select a phone number from your contact list by tapping .
3. Tap  to initiate a call.

Use POI

To make calls using POI:

1. After a list of POI is displayed on your screen, tap  to initiate a call.
2. Tap  to end a call.

Answer or reject a call

If the **Voice Gateway service** is enabled with your phone, you can answer or reject calls on your Travel Companion.

In case of a call, **Incoming Call** is displayed on the screen. Tap  to answer the call and tap  to reject a call.

Connect to a Bluetooth stereo headphones

You can connect a Bluetooth-enabled stereo headphone to your Travel Companion.

To connect to a Bluetooth-enabled stereo headphone:

1. Make sure that Bluetooth is enabled on the phone.
2. Tap **Settings** > .
3. Tap **Explore Bluetooth devices**.
4. Nearby Bluetooth devices are listed. Tap your headphone's name when displayed in the list.

12 Map

There are two map screens: the **Map (2D)** screen and the **Cockpit (3D)** screen. The manner in which they display the map is similar, but the look and controls are optimized for different purposes.

The **Map (2D)** screen is to be used for the following:

- browse the map,
- create user POI items,
- plan your route based on map points.

The **Map** screen is designed to show the maximum map area. This screen can only be used in **2D North-up mode**. You can scale the map, but rotating and tilting is disabled.

The **Cockpit (3D)** screen is for driving purposes

- If you are just cruising data such as speed, GPS reception quality, current date, and time
- If you are navigating, some more route data like the next street in your route, the distance to travel, type of the next route event.

There are several controls that function in a similar fashion on the two screens. They are described in the following sections.

Button	Function
	Exits navigation, and opens the Phone dialer application
	Opens Route Progress screen
	Turn preview* Opens a large turn preview box in the corner of the map when you are on an active route.
	Next street (scrolled)* Shows the Current street for a few seconds. This option is displayed only on an active route.
	Turn distance* Shows the Current street for a few seconds. This option is displayed only on an active route.
	Exits navigation, and opens the Music player application
	Sound volume level or muted Opens volume setting slider
	Zooms out map

	Zooms in map
	Initiates fixed zoom levels and re-enables Lock-to-Position (2D map only)**. This option is displayed only when GPS position is available.
	Initiates fixed tilt and zoom levels and re-enables Lock-to-Position (3D map only)**. This option is displayed only when GPS position is available.
	Re-enables Lock-to-Position and Smart Zoom
	Toggles between 2D (Map) and 3D (Cockpit) screens
	Selected map point (Cursor)
	Rotates map left (3D map only)
	Rotates map right (3D map only)
	Date and Time Changes content: Date, Time, or Date/Time
	This option enables you to switch to full screen map mode and back to normal map mode on the map screen.
	Opens Cursor menu

	GPS reception quality
	Opens GPS Data screen
	Time to destination and ETA at destination
	Time and ETA to next Via point
	Current speed
	Distance to next Via point and destination
	Opens the Main menu (Go to, Map, Route, Nav Extras, Settings)

Map visualization

The current version of the Travel Companion is primarily intended for land navigation. That is why maps in the Travel Companion look similar to paper roadmaps (when using daytime colors and 2D map mode). However, the Travel Companion provides much more than regular paper maps can. The look and the contents can be changed.

Daylight and night color schemes

The daylight and night color schemes let you adjust the Travel Companion to the brightness of the environment. Use the daylight and night color schemes accordingly. Daylight colors are similar to paper roadmaps, while the night color schemes use dark tints for large objects to keep the average brightness of the screen low, with carefully selected colors to still keep you informed about all the necessary information on the screen.

You can change between day and night views manually in Settings, or let the Travel Companion do it automatically for you.

NOTE: The automatic day/night mode is based upon the current date and GPS position by which the Travel Companion calculates the exact sunrise and sunset times on the particular day at the particular location. Using that information the Travel Companion can automatically switch between the color schemes a few minutes before sunrise, when the sky has already turned bright, and a few minutes after sunset before it gets dark.

TIP: To further enhance the effect of the night color scheme, you can instruct the Travel Companion to decrease the display backlight when the night colors are used. Set the desired backlight levels for both daylight and night modes.

Current position and Lock-on-Road

When your GPS position is available, a blue arrow (yellow when using night colors) shows your location on the map.

The direction of the arrow represents your heading. The arrow is sized and vertically rotated with the zoom and tilt levels to always look realistic.

Your Travel Companion has a built-in Lock-on-Road feature that always puts the position arrow on the road, on the axis of the street in case of one-way streets, or on the side of the road where you drive (e.g. on the right in Germany and on the left in the U.K.) on two-way roads.

You always see this corrected position on the map. The position given by the GPS is not displayed, but this is the information recorded in the track log. When recorded track logs are displayed on the map, the line is not corrected. You see the positions reported by the GPS.

When the GPS position is lost, the arrow turns grey, but the journey continues on the recommended route for a short period of time with the speed last detected before the GPS position was lost. When the next route event is reached, or after 40 seconds, the arrow stops, and remains grey until GPS reception returns. This way short tunnels can be crossed without losing the position.

Selected map point, also known as the Cursor

If you tap the map somewhere and tap again or select a specific item in **Go to**, it becomes the selected point on the map, marked with a small red dot and permanently radiating red circles to make it conspicuous at all zoom levels, even when it is in the background of a 3D map view. You can use this point as starting point, Via point, or destination of your route, you can search for a POI near to it, or save it as a POI, a Favorite or the location of a road safety camera. The cursor, when visible, is also the reference point for map scaling.

 **NOTE:** When your GPS position is available, and Lock-to-Position is active, the cursor is the current GPS position, the blue arrow. When you select another point by tapping the map, or using the **Go to** menu, the new Cursor is displayed on the display with the red dot and the radiating red circles.

Visible POIs (Points of Interest)

Your Travel Companion comes with thousands of built-in **POIs**, and you can create your own **POI** database as well.

POIs are represented by icons on the map. For a built-in POI it is the icon of the subcategory of the actual **POI**. For points you create, it is the icon you had chosen when you created the POI. POI icons can be changed later in **Visual** settings.

These icons are large enough to recognize the symbol, and semi-transparent so as not to cover the streets and junctions behind them.

When the map is zoomed out, the icons are not displayed. As you zoom in, icons appear based on their visibility settings.

Road safety cameras

Road safety cameras, such as speed cameras and red light cameras are special POI types in the Travel Companion.

Contacts

A different type of special **POIs** is Contacts. When the Travel Companion is started, it attempts to recognize the addresses in your Travel Companion's Contact database. All contacts with the address recognized are displayed as **POIs** in a group named Contacts.

If they exist, the **Home**, **Work**, and **Other** addresses of a contact are imported. For example if you have the home and office addresses of John Smith, you have two **POIs**, one called 'John Smith (Home)', and another one as 'John Smith (Work)'.

Elements of the active Route

Your Travel Companion uses a multi-destination routing system in which you have a start point (normally your current GPS position), a destination, the line of the active leg of the route, and optionally Via points and inactive legs. They are all displayed on the map.

Start point, Via points, and destination

You have the following features on any active route while you are at a start point, at Via points, or at the destination.

Active leg of the route

The active leg is the section of the route you are currently driving. If you have not added any Via points, the whole route is the active leg. When Via points are present, the active leg is the part leading from your location to the next Via point. The active section is displayed in light green (red when using night colors). It is always the most conspicuous part of the map even when in the background of a 3D map view. The line of the route is displayed on the driving side of the road for two-way and on the axis in case of one-way streets. When the map is zoomed in and the line is wide enough, small arrows show the direction of the route. This can be useful if you preview the route before starting the journey or when entering a complex junction.

Inactive legs of the route

Future sections of a route are inactive. They are also displayed on the map with the same color but a darker tint than the active one. An inactive route section becomes active as soon as you reach its starting Via point. Roads in the route can be excluded by setting required preferences. Although you can choose whether to include or avoid some road types in Route settings, sometimes they are impossible to avoid near the starting point, Via points, or the destination. If so, the Travel Companion displays those segments of the route with an alternate color.

Turn preview

On the **Map** screens this field shows a graphic illustration of the next maneuver. For example when you approach a turn, an arrow shows whether it is a slight, normal or sharp turn. When showing a roundabout, the number of the exit is also given.

This field also serves as a button. Tap it to display the turn preview in large in the top left corner of the map. Tap again to disable the large turn preview.

Cursor (the selected map point)

If you tap the map somewhere twice or select one specific item in **Go to**, it becomes the selected point on the map, marked with a small red dot and radiating red circles to make it conspicuous. You can use this point as starting point, Via point, or destination for your route, you can search for a POI near it, or save it as a POI, a Favorite, or a road safety camera.

Track Log recording/playback indicator



When a track log is being recorded, a icon is displayed on the map screens. This icon also functions as a button leading to the **Track Log** screen where you can stop the recording or make the track log visible on the map.



During track log playback a icon is displayed. Tapping this icon (in fact, tapping the screen anywhere) stops the simulation.

Cursor menu

The Cursor is the selected point on the map (marked by a red dot and radiating red circles around it), or the current GPS position when it is available and Lock-to-Position is enabled.



Tapping the , or using the **Go to** menu, the map with the **Cursor** menu is displayed to give you the list of possible functions you can use the Cursor for.

The content of the **Cursor** menu is slightly different if there is an active route already planned, and if you are near to a route point. You have the following options:

Button	Function
Set as Start	Use the Cursor as the departure point for your route. This disables routing from the current GPS position and automatic off-route recalculation. If a route existed before, the Via points and the destination remains the same.
Remove Start	This button replaces "Set as Start", if the Cursor is at or near to the start point of the route. Tap it to remove the start point of the route.
Add Via	By inserting the selected map point as a via, you instruct the Travel Companion to cross this location before the destination of the route. This is the way to build a multi-point route in reverse order (when you wish to insert a stopover 'go to A but first get some fuel at B' or you need to influence the direction of the route). This menu point works only if a route is already active.
Remove Via	This button replaces "Add Via", if the Cursor is at or near to any of the Via points of the route. Tap it to remove that particular Via point from the route.
Continue	This button adds a new final destination after the previous destination. The new destination replaces the old one, which is now demoted to a Via point. This is the way to build your multi-point route in straight order (when you wish to visit several destinations 'go to A then to B'). This menu point is available only if a route is already active.
Set as Destination	Use the Cursor as the destination of your route. This button is to start a new route. The previous route (if it exists) is deleted and replaced. If a multi-point route is active, the Travel Companion asks you whether you really need to delete it together with all its Via points.
Remove Destination	This button replaces "Set as Destination", if the Cursor is at or near to the destination of the route. Tap it to remove the destination of the route promoting the last Via point as the new destination.
Save as Favorite	Save the cursor as one of your favorite destinations. Select one position in the Favorite list, and it is filled/replaced with the details of the cursor.
Add POI	Save the cursor as a user POI. Give a name, an icon, and select a POI group for the new POI.
Add Speedcam	Save the Cursor as the position of a road safety camera. Select the type, the direction of the camera, and the speed limit checked.

Edit Speedcam	This button replaces Add Speedcam , if the Cursor is at or near to a position of a road safety camera. Tap it to edit the details of the camera.
POI Info	This button opens a list of POIs near the Cursor.

Current street

If you tap the Next street field on the map screens, the current street name is displayed for a few seconds.

Distance to next turn

This field shows the distance to go before reaching the next route event (turn, roundabout, exit, etc.). This field is only displayed when navigating a route.

Next street/Next city

This field shows the road or street that comes next in the route itinerary.

If you are not yet in the city or town where this next street is, the Travel Companion displays the name of the settlement instead of the name of the road or street. A bullet symbol appears next to the name of settlement to help you identify them apart from street names.

This field is only displayed when navigating a route.

13 Route

This menu contains options to manage your routes and track logs.

Edit Route

To edit a route, you need to be aware of all waypoints used in the route. The first item in the list is the departure point of the route without a valid GPS position. The list contains the last reached Via point or the point where the Travel Companion recalculated the route. This means the list is permanently updated, and Via points drop out during the journey. The last item in the list is your final destination.

Use the scroll bar to browse through the list and tap any list item to highlight it. You can perform the following actions:

Buttons	Function
	Moves the highlighted route point up in the list.
	Moves the highlighted route point down in the list.
	Selects a new point to add to the list below the highlighted route point.
	Deletes the highlighted route point.
	Optimizes the route sequence. Optimization is for Via points only. Your starting point and destination remain in their positions.

Route Detail

This function opens the **itinerary (route event) list** of the active route.

All significant junctions are displayed in the list, even ones to be passed.

The Itinerary is live and constantly updated when navigating a route. The list item coming next in navigation is the highlighted one until you tap another item in the list to highlight it. After that, the highlight remains on the item you have selected.

Tap any of the list items to have it displayed on the map. This helps you identify route events in the list. Other available functions on this screen are:

Buttons	Function
	Deletes all route events. The whole route is deleted.
	Saves the route.

Saved Routes

This function opens the list of saved routes.

All significant junctions are displayed in the list, even the ones that have still to be passed. Tap any of the list items to change its name. Other available functions on this screen:

Buttons	Function
	Deletes the route it is displayed next to.
	Deletes all saved routes.

Route Info

The **Route Information** screen has all the data and some functions that you might need while navigating. Without an active route some icons are inactive, and route data cannot be displayed.

Route data displayed (for destination and Via points)

The route data displays information about the current route. These fields are continuously updated while you keep this screen open.

When you open the screen, you will see all fields contain information on reaching your final destination. Tap any of the fields to see data on the Via points starting from the first one through the final destination again. You can see the following options on the screen:

- **Route line**

The upper part of this screen shows your planned route as a horizontal line. Its leftmost point is the start of the route, the rightmost one is the final destination, and you can see your Via point flags along the line, spaced in proportion to their distance.

The blue (yellow when using night colors) arrow representing your position travels from the left to the right, giving you visual feedback of your journey.

When you reach a Via point, it becomes the starting point of the route, the past is deleted. The line with all the other Via points are modified instantly, and the arrow jumps back to the left.

When the Travel Companion needs to recalculate the route, the arrow does not jump back to the left as when reaching a Via point. It might drift a bit as the length of the new route may be different from the previous one.

When the data corresponding to the entire route is displayed in the fields below, the line is colored the same way as the road type displayed on the map. When you see data that belongs to a Via point, the route is colored only up to that Via point. The rest of the line remains grey.

- **Destination/Via point**

This field shows the exact address (or its co-ordinates if the address is not available) of the final destination.

If Via points exist, tap and tap again any of the fields to see the address or co-ordinates of the first, second, etc. Via point.

- **Estimated Arrival**

This field shows the estimated arrival time at the final destination of the route based on information available for the remaining segments of the route. The calculation cannot take into account traffic jams and other possible delays.

If Via points exist, tap and tap again any of the fields to see the estimated arrival at the first, second, etc. Via point.

- **Distance Left**

This is the distance you need to travel on the route before reaching your final destination.

If Via points exist, tap and tap again any of the fields to see the distance to reach the first, second, or next Via point.

- **Time Left**

This field shows the time needed to reach the final destination of the route based on information available for the remaining segments of the route. The calculation cannot take into account traffic jams and other possible delays.

If Via points exist, tap and tap again any of the fields to see the time needed to reach the first, second Via point.

- **Method**

This field shows how the route was calculated. It either displays the 'Route' or the 'Vehicle' field from the **Route** settings. If you have chosen **Car**, **Taxi**, **Bus**, or **Lorry**, the type of the route (**Fast**, **Short**, or **Economical**) is displayed here; if you have selected **Bicycle**, this information is displayed here.

Warning icons

The following 5 squares are normally empty. Some of them show a graphical symbol in case warning(s) are attached to the planned route. These are warnings, so icons always show information for the whole route, even if the data fields display values from your current position to a Via point only.

Tap on any of the icons to show its description. A few samples of the available icons:

-  – This icon shows that you need to pay toll on the recommended route.
-  – This icon shows that the route contains motorways. Tap the icon to see the total length of the motorways in the recommended route.
-  – This icon shows that toll motorways are included in the recommended route.
-  – This icon shows that you need to board a ferry along the recommended route.
-  – This icon shows that you need to pay for the ferry.
-  – This icon is displayed when the Travel Companion could not plan a route with all your suggested road type preferences. Sometimes it is impossible to find a suitable route near the start or the destination.
-  – This icon warns you that the Travel Companion had to recommend a route that does not match all your preferences given at the **Route Parameters** settings.
-  – The recommended route contains unpaved roads.
-  – The recommended route contains roads that require a permit or permission to enter.
-  – Information – any other piece of relevant but not categorized information. Tap the icon to see the content.
-  – displayed when more than 5 warnings apply for the recommended route.

Other functions

You also have the following options on this screen:

Buttons	Function
	Fit to screen – opens the map with a 2D North-up view, and shows an overview of the whole recommended route.

Buttons	Function
	Settings – Opens the Route settings screen
	<p>Simulation - this feature has no navigation function, it merely provides a quick view of the route. It presents a simulation of the route showing what you might see later when navigating.</p> <p>You can choose from two different kinds of simulations:</p> <ul style="list-style-type: none"> • Fly Over: The route is simulated with high speed. • Simulate: The route is simulated with the speed identical to the speed limit on the streets and roads in the route.

Manage Track Logs

Using the Travel Companion it is also possible to save the track logs of your journeys. This screen lets you manage all your track logs. When it comes up, it shows a list of all track logs already saved.

The original name of a track log is the date and time when it was recorded. You can change the name to something more meaningful if you wish.

Each track log has a color, displayed to the left of its name, when the track log is visible on the map. If the track is not visible, a horizontal line is displayed. Tapping the line of the highlighted track log toggles between showing and hiding that log. The track log is drawn on the map using the color next to its name.

 **TIP:** When a track log is being recorded, a new line is displayed in this list with a horizontal line, as newly recorded track logs are not displayed on the map normally.

On this screen you have the following options:

Button	Function
	<p>Initiates track log recording. A new line is displayed in the list, and GPS position data is saved until you stop the recording or</p> <p> exit the Travel Companion. A  icon is displayed on the map to let you know that a recording is in progress. Tapping that icon opens this Track Log screen.</p>
	Stops track log recording.
	This icon displays the color of the track log line on the map. A horizontal line means the track log is not displayed on the map. Tap this box to toggle between showing and hiding the track log.
	
	Deletes the track log it is displayed next to.

Tap any of the track log names in the list to open a new screen with the details of that track log. On this screen you have the following options:

Button	Function
	Changes the color of the track log.
	Opens a new screen where you can change the name of the track log.
	Exports the track log to an inserted SD card in GPX format.

14 Settings

Your Travel Companion provides several settings to help you customize functions. The **Settings** screen can be accessed directly from the **Main** menu screen, while some of its sub-screens are accessible from other parts of the Travel Companion.

Visual settings

You can set a few parameters that determine the appearance of your Travel Companion.

3D settings

The Travel Companion is capable of displaying the map and several objects in 3D. It has an extremely fast graphic engine that is capable of moving detailed maps at high speed. The lesser the 3D details, the faster your Travel Companion can draw and move the map..

Landmarks

3D landmarks that come with the map can be displayed or hidden.

Elevated roads

Roads can be elevated to enhance visibility, and to better recognize complex junctions with flyovers. You can suppress elevation to view a road network that looks like a conventional map.

Buildings

3D buildings can slow down map visualization and can make the map dense. Turn this feature on or off to configure the Travel Companion to display only the closest buildings or buildings far ahead.

Terrain

Terrain can be displayed using rich 3D details, less detailed, or even turned off.

Backlight settings

You can set the behavior of the display backlight when using your Travel Companion.

These settings are independent of other applications in the device.

Brightness

You can set the backlight level separately for both daylight and night modes, thus enhancing the effect of the night color scheme.

Power management

You can set behavior of backlight when the screen has been untouched for a while.

Backlight always on

You can choose to have the backlight always on.

Smart Powersave

When running on battery, **Smart Powersave** lights up the screen only when you press a button or tap the screen. After a few seconds, the light level decreases, and after another few seconds, the backlight turns off. This helps you conserve the battery and achieve a longer battery life.

Map settings

These settings determine how maps are displayed on the Travel Companion.

Alternative Road Names

Some highways have an international name or number for foreign travelers. You can decide whether to show only the local name or both.

Show Street Labels

You can set whether or not to see the names of the streets and the POI icons on the map while driving. Based on the current zoom and tilt levels, street names are displayed either aligned with the street or on signposts on the streets (Streets and roads). If you switch these signs on, it is easier to recognize your location on the map. If you turn them off, it is easier to see the road geometry.

-  **NOTE:** You can only disable street names and POI icons if the Travel Companion follows your position. As soon as you move the map and **Lock-to-Position** is disabled, street names and icons become visible again. Tap  to re-enable **Lock-to-Position** and have the labels and icons disappear again.

2D/3D map view

In 2D map view mode, the map is displayed in a conventional top-down view with a fixed North-up orientation. You cannot tilt or rotate the map. The elevation of the map is displayed with colors and shading similar to a topographic map.

In 3D map view mode, the map shows a perspective view. You can change the vertical angle of the view, you can rotate the map, and turn 3D map elements on or off.

POI visibility

The maps in the Travel Companion come with a huge number of POIs. Displaying all of them would make the screen too crowded. In order to avoid this, you can decide which POI groups to show and which ones to hide on the map, and how close you need to zoom in to start seeing a particular POI group. Your Travel Companion has a multi-level POI category system. You can set the visibility of all levels. Subgroups can inherit the visibility settings of the group, but you can also assign different settings to any subgroup.

To view POIs:

1. When you tap the button, you will see the list of the top-level POI groups is displayed:
2. Tap any of the group names to see the list of its subgroups.

The two screens are similar. You have the following buttons on these screens:

Button	Function
	This POI group has subgroups. Tap this, or the name of the groups to see the list of its subgroups.

Button	Function
	This POI group has no subgroups. Tapping it does not perform any action.
Off	The POI group is not displayed on the map. However, some of its subgroups might be displayed according to their individual settings.
500 m	The POI group is displayed on the map starting from this zoom level. Some of its subgroups might be hidden, or displayed from different zoom levels according to their individual settings.
...	Tap this button to edit the visibility of the POI group.

3. When you edit the visibility of a **POI** group or subgroup, a new screen is displayed:

You have the following options:

Button	Function
	This is the icon of the POI group. This icon is displayed on the map when the group is visible. Tap it to choose another icon for the edited POI group or subgroup.
	Tap any of the radio buttons to choose a new visibility level for the edited POI group or subgroup.
All in Current Category	Check this box, and the visibility level of all the subgroups of the edited POI category is overwritten with the value set here. This does not start any dependency between the group and its subgroups. If you wish to have uniform visibility for the whole group, tap the button again.

Night mode

Using the automatic night mode, your Travel Companion switches between the daylight and night color schemes a few minutes before sunrise and a few minutes after sunset based on the time and location information provided by your GPS. Set **Night mode** permanently on or off to display only the daylight or the night color scheme.

Zoom settings

The **Auto zoom** (or **Smart zoom**) feature offers a lot more than just the usual automatic zoom.

- **While navigating a route:** When approaching a turn, it zooms in and raises the view angle to let you easily recognize your manoeuvre at the next junction. If the next turn is at a distance, it zooms out and lowers the view angle to be flat to let you see the road in front of you. It can switch to an **Overview** mode to let you follow your position on the map.
- **While cruising:** If there is no active route and you are just cruising, **Smart zoom** can zoom in if you drive slowly and zoom out when you drive at a high speed.

Auto zoom

Turn **Auto zoom** on to configure your Travel Companion to perform the automatic map scaling and tilting. You can turn off this feature to navigate with a fixed zoom level and vertical view angle.

Restore Lock-to-Position and Smart Zoom

You can move, rotate, tilt, and zoom the map during navigation.

When you rotate, tilt, or zoom the map, the map follows your position but does not change the view parameter you have modified. Tap  to return to the full **Smart Zoom** mode.

If you move the map, all parts of **Smart Zoom** are deactivated, and the view freezes. Tap  to configure your Travel Companion to follow your position (**Lock-to-Position**) and re-enable **Smart Zoom**.

Turning on **Restore Lock-to-Position** configures the Travel Companion to automatically lock to the position after a few seconds of inactivity.

You can also set the time-out. Shorter delays are best if you tend to accidentally change the map display, but you might prefer a longer delay if you often look for things around your position while driving.

 **WARNING!** Remember to look at the display only if it is absolutely safe to do so.



NOTE: If you tap  before this automatic feature comes into effect, **Smart Zoom** and **Lock-to-Position** is re-enabled instantly.

Zoom in after find

When the **Zoom in after find** feature is turned off, the Travel Companion centers the map to the location selected in **Go to** but does not change the zoom level. If you turn this feature on, the Travel Companion zooms in to the selected point.

The zoom level in this case depends on the type of object you have searched for. For example, in the case of a city search, the zoom level shows you the whole region/state or at least a significant part of it around its centre. Selecting a **POI**, a junction or an exact address gives you a closer look with only a few streets on the display.

Overview mode

Turn this feature on, and the **Overview** mode is triggered when the next turn is at a distance.

Turn distance determines when the Travel Companion switches to the **Overview** and back to the **Navigation** view. If the distance from the next route event is more than the value set here, the map view switches to **Overview** mode, a top-down, North-up oriented map view with a zoom level that enables you to see a larger part of the map around your position. As you approach the route event, normal navigation returns automatically.

The **Overview** zoom level determines the fixed zoom level of the map in the **Overview** mode. You can change the zoom level manually at any time, but when you enter the **Overview** mode again, the zoom level is reset to this value.

Sound settings

You can configure the parameters to determine the sounds and sound alerts on your Travel Companion on this screen.

Voice guidance

You can turn on the audible guidance (voice instructions and speed camera warning) by selecting the **Voice** check box. Move the voice slider to adjust the loudness of voice prompts.

- Moving the voice slider to the leftmost position suppresses the voice guidance.
- Moving the voice slider to the rightmost position applies the master volume.

Key sounds

You can turn on key sounds by selecting the **Keys** check box, which is placed below the **Voice** check box. Key sounds are audible confirmations of either pressing hardware buttons or tapping the touch screen.

 **NOTE:** The sound effects on your Travel Companion are context sensitive. They are different if, for example you open or close a window, or enable or disable a setting. These effects indicates if you have entered enough letters of a street name to have a short list of matching street names displayed on the screen.

Dynamic Volume

When driving at a high speed, the noise in the car might be too loud to clearly understand the voice guidance messages and perceive the key sounds. Using **Dynamic Volume**, you can configure your Travel Companion to increase the volume when your speed exceeds a certain minimum, and reach its highest volume at the given maximum speed.

To change dynamic volume:

1. Tap **Dynamic Volume** to turn on the feature.
2. Move the slider to set the minimum and maximum speeds.

Route settings

You can use the **Route settings** screen to determine how routes are calculated.

This screen is also accessible from the **Route Information** screen.

Vehicle

You can set the type of the vehicle that you might use to navigate the route. Based upon this setting, certain road types are excluded from the route, or some of the restrictions might not be taken into account.

Additionally, when either **Bus** or **Lorry** is chosen, the Travel Companion assumes that high speeds cannot be achieved, and this information is taken into account when calculating the route, the estimated time enroute (ETE), and the estimated time of arrival (ETA).

You can choose the type of vehicle from the available values:

- **Car**
- **Taxi**
- **Bus**
- **Lorry**
- **Bicycle**

Route calculation method

You can choose from three different route types.

Short

Choosing **Short** results in a route that has the smallest total distance of all possible routes between the given points. This is usually preferred by cyclists or slow vehicles.

Fast

Choosing **Fast** results in the quickest possible route, given that you can travel at or near the speed limits on all included roads. This is usually preferred for fast and normal cars.

Economical

This setting is a combination of the previous two. Although it is used to select the fastest solution, if there is another route taking a bit more time but a lot less distance compared to the fastest one, your Travel Companion chooses this one instead to save fuel.

Off-route recalculation

Once a route is planned, this setting offers options on what to do when you deviate from that route.

Automatic

The route is recalculated automatically a few seconds after you go astray.

Off

If you stick to the original route, and you wish to get back to it on your own, you can disable recalculation. Guidance stops until you return to the recommended route.

Avoidances

To select the route that fits your needs, you can also set which road types are to be considered for or to be excluded from the route if possible.

- On **Check items to avoid** screen, select the road type you require to avoid.
- Clear the check box to use the specific road type.

 **NOTE:** Excluding a road type does not necessarily mean that the road type can be completely avoided on your routes. If your destination can only be accessed by using some of the excluded road types, your Travel Companion uses them minimally. In this case a warning icon is displayed on the **Route Information** screen, and the road that does not match your preference is displayed using an alternate color on the map.

Unpaved Roads

Unpaved roads are excluded by default, as they can be in a bad condition and you usually cannot reach the speed limit on them.

Motorways

When driving a slow car or towing another vehicle, you might prefer to avoid motorways.

Ferries

The accessibility of temporary ferries is not necessarily included in the map data. Additionally, since you might need to pay a fare, you could consider disabling them.

Cross-border planning

By default your Travel Companion plans routes using the border crossing points. However, if you live near the border, you can disable border crossing with this switch to remain within one country.

U-turns

Although displayed along with road types, this is a type of action. Most drivers prefer to replace them with a few normal left and/or right turns at the next junctions. This option is selected by default, as **Avoid**.

Turning back on dual carriageways is not considered as a U-turn.

 **NOTE:** U-turns handle Via points as stopovers with regards to U-turns. It means disabling U-turns on this screen avoids U-turns during the entire route if possible, but when reaching a Via point, the subsequent part of the route might be planned starting in the opposite direction.

Permit needed

To access certain roads or areas, you might need a special permit or permission from the owners. These roads are excluded from your routes by default. Clear the check box if your vehicle is authorized to enter these roads.

Toll roads

You can select this option to disable **Toll roads** and configure your Travel Companion to plan the best toll-free route, you may have to travel more to avoid paying a toll.

Carpool lanes (for the USA map only)

You can configure your Travel Companion to use carpool lanes when planning routes. These lanes are currently available in the USA only.

This option is displayed only if the USA map is available in the Travel Companion.

Keep position on road

Your Travel Companion is intended for use primarily for vehicle navigation. Therefore **Lock-on-Road** displays the position arrow precisely over roads, and corrects small GPS errors.

 **NOTE:** By turning off **Lock-on-Road** you also turn off the GPS position error filtering. The position displayed on the map is subject to possible position errors and position fluctuations.

Regional settings

On the **Regional settings** screen, you can set the languages, measurement units, and date and time formats used by your Travel Companion.

Language

The display language currently selected is displayed. By tapping the left or right arrow, you can scroll through and select from the available languages. Your Travel Companion needs to be restarted if you change this setting. You are prompted for confirmation before it restarts.

Voice

The voice guidance profile currently selected is displayed. By tapping the left or right arrow, you can cycle through and select from the available languages and speakers.

Units

The unit of distance currently selected is displayed. By tapping the left or right arrow, you can cycle through and select from the available distance units.

Time settings

To set timezone properties:

- **Use Auto Time Zone:** You can select this option to configure your Travel Companion to automatically determine the time zone based on the current GPS position. To select a time zone manually, turn off the switch and tap **Set Time Zone**.
- **Auto Correction:** You can select this option to configure your Travel Companion to frequently check and correct the internal clock of the device with the always-accurate GPS time.

Set time format

You can set the date and time format displayed on the screen. Tap the left or right arrow to cycle through and select from the various international formats that are available.

Warnings

Tap **Warnings** to enable and fine-tune user alerts. A new window opens with the options.

Warn when speeding

Maps might contain information about the speed limits of the road segments. You can configure your Travel Companion to warn you when you exceed the current limit. This information is region-specific and might not be available for your region (ask your local dealer) or might not be fully correct for all roads in the map. Use this option to determine whether you need to receive the warnings or not.

You can set two different kinds of behavior for the warning: One is applied up to a certain speed limit and another that is used at speeds limits above that.

Speeding tolerance

You can configure the warning to prompt you when you exceed the speed limit percentage specified here.

Both positive and negative values can be given.

Alternative speed limit

If the speed limit of the current road segment equals or is above this limit, the speed warning uses the Alternative speeding tolerance instead of the previous one.

Move the slider to its right-most position to turn off the alternative speed warning. This way the **Speeding tolerance** slider determines the warning for all roads.

Alternative speeding tolerance

If the speed limit of the current road reaches the value set at **Alternative speed limit**, this setting replaces **Speeding tolerance**. The slider works exactly as for Speeding tolerance.

Enable safety cameras

Your Travel Companion can warn you when you approach known speed and red light cameras previously uploaded or copied into the device, or saved manually in the software. This can be done using the **Cursor menu**.

On this screen you can enable or disable the visible and audible warning for known cameras.

⚠️ WARNING! Detecting the location of speed cameras might be prohibited by law in certain countries or regions. Be sure to check if it is legal before you turn on this warning.

15 Navigation extras

You can use the additional features of the Travel Companion to enhance your travel experience.

Trip Planner

Your Travel Companion includes access to HP iPAQ trip planning services. Visit <http://www.ipaq.com> to learn about the latest services and content available. Here you will find the free Web-based trip planning service that allows you to personalize your travel by creating custom trip itineraries that you can transfer to your Travel Companion for use during your travels.

Traffic Message Channel (TMC)

Your Travel Companion can provide you with better routes if Traffic Message Channel (TMC) information is available. TMC is a specific application of the FM Radio Data System (RDS) used for broadcasting real-time traffic and weather information.

 **NOTE:** TMC is not a global service. It might not be available in your country or region. Ask your local dealer for coverage details.

You need a TMC receiver attached to your Travel Companion to receive TMC information. To learn more about compatible TMC solutions for your area, visit <http://www.hp.com/accessories/ipaq>.

If public TMC data is broadcast at your location, the Travel Companion automatically takes into account the TMC information received. The receiver automatically searches the FM radio stations for TMC data, and the decoded information is immediately used in route planning. As soon as the Travel Companion receives traffic information that might affect your route, the Travel Companion warns you that it is recalculating the route. Navigation then continues with a new route that is optimal considering the most up-to-date traffic conditions.

List of traffic messages

Tap **Traffic Messages** in the **Navigation Extras** menu for a list of the nearest TMC events. The list is arranged by the distance from your current location.

Use the scroll bar to navigate through the screens, and see traffic difficulties farther away from your current position. You can alternately use one of the following options:

Button	Function
	Opens a new screen to configure the TMC subsystem.
	Shows the highlighted traffic difficulty on the map fit to the screen size.
	Opens a new screen to maintain the TMC receiver and radio stations.

TMC configuration

You can configure TMC using following features:

- **Subscribe to TMC**

To receive a TMC data from a source, which needs subscription, you need to subscribe to it. Tap **Subscribe TMC** to subscribe. A new screen is displayed. Fill in the required details, tap the Web site and enter details when prompted. Tap **Enter code**, and enter the received TMC subscription code. Tap **Done** when finished.

 **NOTE:** This button is displayed only if you are in a country where the subscribed TMC services can be used with the help of the Travel Companion.

- **Recalculate to avoid traffic**

You can enable or disable recalculation of the route during navigation based on TMC information. Disabling the route does not prevent the system from using TMC data for route planning, but does not trigger an automatic recalculation when the traffic conditions change during your journey.

- **Sort events by distance/type**

The list of traffic events can be ordered by their distance from the current position, or by their type.

- **Event list**

You can choose to display certain TMC event types in the **Event** list or choose **All events** to show all types.

TMC radio settings

This screen shows the selected TMC source and allows you to change the radio settings.

Selected FM radio station

The name and frequency of the selected radio station is displayed. The signal strength information is indicated by a bar.

The radio can be tuned manually with the plus and minus buttons, or it can be automatic if auto tuner is selected. With auto tuner, the radio scans the frequency range, tests every radio station for TMC data, and stops when the first TMC source is found.

If there are no radio stations broadcasting TMC data in your area, and auto tuner is turned on, the receiver keeps searching for the radio station. You can see the frequency continuously sweeping across the FM CCIR radio band (87.5-108 MHz). When you move to an area with TMC information, the indicator shows the frequency, and detailed information for the TMC station.

Exclude selected station

If you wish to receive TMC data from a different radio station, tap this button. After the current radio station is added to the list of excluded stations, the Travel Companion searches for another TMC station, and skips the excluded station in future.

Show excluded stations

This button opens the list of excluded radio stations. Tap any of the stations in the list, then tap



to let the Travel Companion accept TMC information from this station.

16 GPS data screen

The **GPS data** screen is a collection of information received from the GPS device. The GPS data screen displays the visible part of the sky above you, with your position as the centre. The satellites are displayed at their current positions. The GPS receives data from both the green and yellow satellites. Signals from the yellow satellites are only received. The green ones are used by the GPS to calculate your current location. You can also view the satellite signal strength bars. The grey bars are for the yellow satellites and colored bars are for the green satellites. The more satellites your GPS tracks (the green ones), the more accurate your calculated position is.

The GPS data screen also includes information like current position in latitude/longitude format, elevation, speed, date, time, the GPS connection status, and calculated accuracy.

 **NOTE:** Accuracy can be affected by several factors that Travel Companion cannot take into account. Use this accuracy information only as an estimation.

17 About screen

You can access this screen from the main page by tapping **Settings > System > About**. The screen provides information on the maps and licenses you have installed on your Travel Companion.

18 Outlook synchronization

The HP iPAQ Outlook Synchronizer can synchronize contact entries between your computer's Outlook database and the Travel Companion, as well as back up, and restoring the entire contacts database.



NOTE: You need to install the HP iPAQ Outlook Synchronizer that is available on the *Getting Started* CD or visit <http://www.ipaq.com> for downloading this application before you begin using it.

The synchronization tool can be launched from the **Start** menu through **All programs > HP IPAQ Outlook Synchronizer**.

You can select any of the following options:

- **Data backup:** launches the backup application, which lets you save the entire contact database to a file on your hard drive and restore the saved database to the Travel Companion.
- **Settings:** launches the **Settings** screen.
- **Start:** launches the outlook synchronization tool.

If an entry has changed in either Outlook or on the device, or in both places, the synchronizing tool will either ask which version is to be retained, or resolve the conflict automatically, depending on the configuration. The Travel Companion can resolve conflicts automatically or prompts user.

The tool minimizes on the task bar and detects and synchronizes automatically when a device is connected.

You can select any of the following options:

- **Synchronize automatically:** When enabled, the tool synchronizes with the device immediately whenever it is connected.
- **Start with Windows:** When enabled, the tool launches when Windows boots.
- **Conflict handling:** When enabled, the tool determines what to do if a contact has been changed both in Outlook and on the device after the last synchronization.

The main screen for Outlook synchronization offers the following options:

- Tap **Settings** to see the configuration options.
- Tap **Minimize** to minimize the window to the task bar.
- Tap **Close** to exit the application.

The device status is indicated at the bottom of the window. When the device is connected, **Sync!** becomes active. When you click it, the progress bar shows the overall progress, and the device status is **Synchronization is in progress**. Also the window displays what is being synchronized.

19 Product specifications

System specifications

System Feature	Description
Processor	Titan 600 MHz ARM11 Dual-Core Processor
Operating System	Microsoft® Windows CE 5.0
Memory	2.0 GB flash memory, user available varies by model 128 MB SDRAM for running applications
External Power	AC Input: 100~240 Vac, 50/60 Hz, AC Input current: 0.2 A ac max Output Voltage: 5Vdc (typical)
Display	4.3" WVGA 800x480 TFT with touch screen, antiglare, landscape oriented, 16bit RGB depth
SD Slot	Supports SD memory
Antenna	Internal Bluetooth antenna
Audio	Integrated microphone, speaker, and one 3.5-mm stereo headset jack
Battery	1,700 mAh Li-ion removable/rechargeable battery
Bluetooth	Bluetooth 2.0 with Enhanced Data Rate, typical 10 meter range (approximately 33 feet)—High-speed, low-power, short-range wireless communication with other Bluetooth devices
LED Indicators:	<ul style="list-style-type: none">• Solid Amber – Battery charging• Solid Green – Battery fully charged
Charge and Notification LED	<ul style="list-style-type: none">• Blue indicates Bluetooth is on• LED off indicates Bluetooth is off
Wireless LED	
GPS Receiver	SiRF embedded GPS receiver with InstantFix(TM) time to first fix acceleration
GPS Antenna	Internal patch antenna

Physical specifications

	US	Metric
Width	4.3 in	110.2 mm
Height	3.4 in	86.8 mm
Depth	0.7 in	18.2 mm
Weight	6.6 oz	187 g

Operating environment

		US	Metric
Temperature	Operating	32° to 104° F	0° to 40° C
	Nonoperating	-9.6° to 140° F	-20° to 60° C
Relative Humidity	Operating	up to 85 %	up to 85 %
	Nonoperating	up to 85 %	up to 85 %
Maximum Altitude	Operating	0 to 15,000 ft	0 to 4572 m
	Nonoperating	0 to 40,000 ft	0 to 12192 m

20 Regulatory notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by HP may void the user's authority to operate the equipment.

Cables

To maintain compliance with FCC Rules and Regulations, connections to this device must be made with shielded cables having metallic RFI/EMI connector hoods.

Declaration of Conformity for Products Marked with the FCC Logo (United States Only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

If you have questions about the product that are *not* related to this declaration, write to

Hewlett-Packard Company
P. O. Box 692000, Mail Stop 530113
Houston, TX 77269-2000
or call 1-800-HP-INVENT (1-800-474-6836)

For questions regarding this FCC declaration, write to

Hewlett-Packard Company
P. O. Box 692000, Mail Stop 510101
Houston, TX 77269-2000

or call HP at 281-514-3333

To identify your product, refer to the part, series, or model number located on the product.

Canadian Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

CE compliance of this product is valid only if powered with the correct CE-marked AC adapter provided by HP.

If this product has telecommunications functionality, it also complies with the essential requirements of the following EU Directive:

- R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family. This compliance is indicated by one of the following conformity markings placed on the product.

- This CE marking is valid for non-telecommunications products and for EU harmonized telecommunications products, such as Bluetooth®.



- This CE marking is valid for EU non-harmonized telecommunications products.



*If applicable, a notified body number is used. Refer to the regulatory label provided on this product.

Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse 140, D-71034 Böblingen, Germany

The telecommunications functionality of this product may be used in the following EU and EFTA countries:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovak Republic, Romania, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

Products with 2.4–GHz Wireless LAN Devices

France

L'utilisation de cet équipement (2.4GHz Wireless LAN) est soumise à certaines restrictions: Cet équipement peut être utilisé à l'intérieur d'un bâtiment en utilisant toutes les fréquences de 2400 à 2483.5MHz (Chaîne 1-13). Pour une utilisation en environnement extérieur, les fréquences comprises entre 2400-2454 MHz (Chaîne 1-9) peuvent être utilisées. Pour les dernières restrictions, voir <http://www.arcep.fr>.

For 2.4 GHz Wireless LAN operation of this product certain restrictions apply: This product may be used indoors for the entire 2400–2483.5 MHz frequency band (channels 1–13). For outdoor use, only 2400–2454 MHz frequency band (channels 1–9) may be used. For the latest requirements, see <http://www.arcep.fr>.

Italy

E' necessaria una concessione ministeriale anche per l'uso del prodotto. Verifici per favore con il proprio distributore o direttamente presso la Direzione Generale Pianificazione e Gestione Frequenze.

License required for use. Verify with your dealer or directly with the General Direction for Frequency Planning and Management (Direzione Generale Pianificazione e Gestione Frequenze).

Battery Warning

⚠ WARNING! This HP iPAQ contains a lithium ion rechargeable battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water. Replace only with the HP spare.

⚠ CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Battery Recycling

HP encourages customers to recycle used electronic hardware, HP original print cartridges, and rechargeable batteries. For more information about recycling programs, visit <http://www.hp.com/recycle>.

Battery Disposal

⚠ WARNING! When a battery has reached the end of its useful life, do not dispose of the battery in general household waste. Follow the local laws and regulations in your area for computer battery disposal.



Equipment Warning

⚠️ WARNING! To reduce the risk of personal injury, electrical shock, fire or damage to the equipment:

Plug the AC adapter into an AC outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the AC adapter from the AC outlet or unplugging the synchronization cable from the host computer.

Do not place anything on the power cord or any of the other cables. Arrange them so that no one may accidentally step on or trip over them.

Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug or, in the case of the AC adapter, grasp the AC adapter and pull out from the electrical outlet.

Do not use converter kits sold for appliances to power your HP iPAQ.

Acoustics Warning

⚠️ WARNING! Listening to this device at high volume levels and for extended durations may damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.



- For your own safety, before using headsets or earphones, always reset the volume. Some headphones are louder than other headphones, even if the volume control setting is the same.
- Changing the default audio or equalizer settings might lead to higher volume and should only be done with caution.
- Headsets or earphones used with this device should comply with the headphone limits in EN 50332-2.

Airline Travel Notice

Use of electronic equipment aboard commercial aircraft is at the discretion of the airline.

Medical Electronic Equipment

If you have a medical condition that requires you to use a pacemaker, hearing aid, or any type of medical electronic equipment, consult the manufacturer of the equipment to determine if the medical equipment is shielded from RF energy. Turn off your HP iPAQ in health care facilities or hospitals when there are posted restrictions requiring you to do so.

Wireless Notices

In some environments, the use of wireless devices may be restricted. Such restrictions may apply aboard airplanes, in hospitals, near explosives, in hazardous locations, etc. If you are uncertain of the policy that applies to the use of this device, please ask for authorization to use it prior to turning it on.

U.S. Regulatory Wireless Notice

⚠️ WARNING! Exposure to Radio Frequency (RF) Radiation The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized. No metallic body accessories are allowed and 1.5 cm spacing between PDA and the body must be maintained to satisfy RF Exposure.

This PDA must not be co-located or operating in conjunction with any other antenna or transmitter.

Canadian Regulatory Wireless Notice

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Brazilian Notice

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Japanese Notice

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の機内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。
1 この機器を使用する前に、近くで移動体識別用の機内無線局及び特定小電力無線局が運用されていないことを確認して下さい。
2 万一、この機器から移動体識別用の機内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための対策（例えば、パーティションの設置など）についてご相談下さい。
3 その他、この機器から移動体識別用の特定小電力無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、次の連絡先へお問い合わせ下さい。

連絡先：日本ヒューレット・パッカード株式会社 TEL. 0120-014121

Bluetooth Devices



Taiwan DGT Notice

低功率電波輻射性電機管理辦法

第十四條 經型式認證合格之低功率射頻電機，非經許可，公司、

商號或使用者均不得擅自變更頻率、加大功率或變更原

設計之特性和功能。

第十七條 低功率射頻電機之使用不得影響飛航安全及干擾合法通

信；經發現有干擾現象時，應立即停用，並改善至無干

擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電信，低功率

射頻電機須忍受合法通信或工業、科學及醫療用電波輻

射性電機設備之干擾。

Korean Notice

B급 기기 (가정용 정보통신기기)

이 기기는 가정용으로 전자파적합등록을 한 기기로서
주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

21 Guidelines for care and maintenance

It is recommended that you follow certain guidelines to prevent possible damage to the Travel Companion and to keep it in a good condition.

Using the Travel Companion

- Avoid using the Travel Companion in dusty and extremely high or low temperature environments.
- Do not spill water on the Travel Companion or expose it to the rain.
- Avoid removing the battery without turning off the Travel Companion.
- Do not apply strong force or shocks to the Travel Companion.
- Keep the Travel Companion and its accessories away from children.
- Do not insert metal objects into the charging/communications port of the Travel Companion. This can short-circuit the battery and result in danger.

Cleaning the Travel Companion

- Use a soft, clean, and slightly moistened cloth to clean the Travel Companion. Do not let water come into contact with the earpiece, microphone, or the metal surface.
- Do not wipe the Travel Companion with any corrosive liquid or coarse objects. This can damage the outer surface of the Travel Companion.

Carrying or storing the Travel Companion

- Do not leave the Travel Companion in extremely high or low temperature environments.
- Remove the battery from the Travel Companion if it is not going to be used for a long period of time. Store the Travel Companion and its battery in a cool, dark, and dry place.

Using accessories

- Use original HP batteries and chargers to charge the Travel Companion.
- Do not use the Travel Companion battery and charger for other purposes.

Using the Travel Companion in public places

Turn off the Travel Companion or switch it to silent mode when you are asked to in public places.

Obtain services for a cracked or damaged screen



NOTE: HP is not responsible for damage that occurs as a result of failure to follow the instructions that came with the HP branded product. Refer to the warranty document included with the Travel Companion for more information.

If a nonwarranty event occurs such as a damaged or cracked screen and want your device repaired, contact HP Customer Support at <http://www.hp.com/support> for service. However, contacting HP customer service on a nonwarranty event results in a charge for the repair.

Protect the Travel Companion screen from cracking or damage

△ **CAUTION:** The screen of the Travel Companion is made of glass and can be damaged or broken by drops, impacts, or pressure.

To reduce the risk of damage to the internal components, do not spray liquid directly on the screen, or allow excess liquid to drip inside the Travel Companion. Using soap or other cleaning products on the screen might discolor the finish and damage it.

- Observe the following practices to protect the screen of the Travel Companion from damage:
 - Do not sit on the Travel Companion.
 - When transporting the Travel Companion in a purse, pocket, briefcase, etc., ensure the device does not get compressed, bent, dropped, or hit.
 - When not in use, use the protective screen cover (if one is available) on the Travel Companion and store it in a case.
- Do not place anything on top of the Travel Companion.
- Do not bang the Travel Companion against hard objects.
- Never use any device other than the stylus that comes with the Travel Companion or an approved replacement to tap or write on the screen. If you lose or break your stylus, order extras at <http://www.hp.com/accessories/ipaq>.
- Clean the Travel Companion by wiping the screen and the exterior with a soft, damp cloth lightly moistened only with water.